

COOLING AIR FLOW CONTROL VALVE FOR BURN-IN SYSTEM

5 ABSTRACT OF THE DISCLOSURE

 A burn-in oven is provided with a plurality
of spaced, stacked burn-in-boards, each with a
plurality of individual circuits being tested under
heated conditions, and a plurality of valve trays
10 positioned between two burn-in-boards to form a heat
exchange compartment below the valve tray. Each
valve tray has a plenum formed above it to provide a
separate chamber that is a source of cooling air.
Each valve tray has a plurality of valves, one over
15 each of a number openings in the tray. Each opening
overlies an integrated circuits or device under test
on the burn-in-board below the valve tray. The
valves control the flow of air for cooling the
integrated circuits. The flow of air through the
20 valves is the only path for cooling airflow to the
integrated circuits on the burn-in-boards.